

# Practice 4-2

## Converting Units

Convert each measure. Round answers to the nearest tenth where necessary.

- |                              |                            |                           |
|------------------------------|----------------------------|---------------------------|
| 1. 56 in. = <u>  ?</u> ft    | 2. 240 days = <u>  ?</u> h | 3. 4 gal = <u>  ?</u> pt  |
| _____                        | _____                      | _____                     |
| 4. 0.75 day = <u>  ?</u> h   | 5. 2.25 t = <u>  ?</u> lb  | 6. 84 ft = <u>  ?</u> yd  |
| _____                        | _____                      | _____                     |
| 7. 0.25 day = <u>  ?</u> min | 8. 18 days = <u>  ?</u> h  | 9. 0.01 t = <u>  ?</u> oz |
| _____                        | _____                      | _____                     |

Use the table to convert the following measures. Round answers to the nearest hundredth where necessary.

10. 5 mi  $\approx$  \_\_\_\_\_ km
11. 10 cm  $\approx$  \_\_\_\_\_ in.
12. 12 qt  $\approx$  \_\_\_\_\_ L
13. 9 cm  $\approx$  \_\_\_\_\_ ft
14. 11 yd  $\approx$  \_\_\_\_\_ m

Customary Units	Metric Units
1 in.	2.54 cm
1 mi	1.61 km
1 ft	0.30 m
1.06 qt	1 L

**Solve.**

- |  |   |
|--|---|
| 15. At one time, trains were not permitted to go faster than 12 mi/h. How many yards per minute is this? | 16. A mosquito can fly at 0.6 mi/h. How many inches per second is this?   |
| _____  | _____   |
| 17. An Arctic tern flew 11,000 miles in 115 days. How many feet per minute did the bird average?         | 18. A sneeze can travel up to 100 mi/h. How many feet per second is this? |
| _____  | _____   |

Use compatible numbers to find a reasonable estimate.

- |                                     |  |
|-------------------------------------|--|
| 19. 118 in. is about <u>  ?</u> ft. | 20. 3,540 seconds is about <u>  ?</u> hours. |
| _____                               | _____  |